



# UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE  
United States Patent and Trademark Office  
Address: COMMISSIONER FOR PATENTS  
P.O. Box 1450  
Alexandria, Virginia 22313-1450  
[www.uspto.gov](http://www.uspto.gov)

| APPLICATION NO.   | FILING DATE | FIRST NAMED INVENTOR | ATTORNEY DOCKET NO. | CONFIRMATION NO.      |
|---|-------------|----------------------|---------------------|-----------------------|
| 10/791,766  | 03/04/2004  | Chien-Pin Huang      | 3227-39             | 4417                  |
| 7590  | 10/03/2005  |                      | EXAMINER            | RIVERA, WILLIAM ARAUZ |
| TROXELL LAW OFFICE PLLC<br>Suite 1404<br>5205 Leesburg Pike<br>Falls Church, VA 22041 |             |                      | ART UNIT            | PAPER NUMBER          |
| 3654  |             |                      |                     |                       |
| DATE MAILED: 10/03/2005   |             |                      |                     |                       |

Please find below and/or attached an Office communication concerning this application or proceeding.

|                              |                        |                     |  |
|------------------------------|------------------------|---------------------|--|
| <b>Office Action Summary</b> | <b>Application No.</b> | <b>Applicant(s)</b> |  |
|                              | 10/791,766             | HUANG, CHIEN-PIN    |  |
|                              | <b>Examiner</b>        | <b>Art Unit</b>     |  |
|                              | William A. Rivera      | 3654                |  |

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --  
**Period for Reply**

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

#### Status

1) Responsive to communication(s) filed on \_\_\_\_.  
 2a) This action is **FINAL**.                    2b) This action is non-final.  
 3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

#### Disposition of Claims

4) Claim(s) 1-4 is/are pending in the application.  
 4a) Of the above claim(s) \_\_\_\_ is/are withdrawn from consideration.  
 5) Claim(s) \_\_\_\_ is/are allowed.  
 6) Claim(s) 1-4 is/are rejected.  
 7) Claim(s) \_\_\_\_ is/are objected to.  
 8) Claim(s) \_\_\_\_ are subject to restriction and/or election requirement.

#### Application Papers

9) The specification is objected to by the Examiner.  
 10) The drawing(s) filed on \_\_\_\_ is/are: a) accepted or b) objected to by the Examiner.  
     Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
     Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).  
 11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

#### Priority under 35 U.S.C. § 119

12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).  
 a) All    b) Some \* c) None of:  
     1. Certified copies of the priority documents have been received.  
     2. Certified copies of the priority documents have been received in Application No. \_\_\_\_.  
     3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

#### Attachment(s)

|   |   |
|---|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892)             | 4) <input type="checkbox"/> Interview Summary (PTO-413)                     |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)    | Paper No(s)/Mail Date. ____   |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| Paper No(s)/Mail Date ____  | 6) <input type="checkbox"/> Other: ____                                     |

**DETAILED ACTION**

***Claim Objections***

Claim 1 is objected to because of the following informalities: on line 10, the word “wounded” should be replaced with the word --wound--.

Claim 2 is objected to because of the following informalities: on line 11, the word “wounded” should be replaced with the word --wound--.

Appropriate correction is required.

***Claim Rejections - 35 USC § 102***

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

Claims 1 and 3-4 are rejected under 35 U.S.C. 102(b) as being anticipated by Liao (U.S. Patent No. 6,416,005).

With respect to Claims 1 and 3-4, Liao, Figures 3-4, teaches a signal cable rewinder with two rewinding discs 4 comprising: two housings 21,22 for establishing an accommodation chamber, a pivot being formed in the middle of the inner side of the two housings, respectively; two rewinding discs 4 rotatably mounted on the pivots of the housings; two spiral springs 5 fixed on the rewinding discs, both ends of each of the spiral springs being connected to the housing and the rewinding disc such that the two spiral springs have the resilience after being distorted;

Art Unit: 3654

and two signal cables 3 each folded once in the middle thereof to form a double-folded member that engages into the respective rewinding disc, the double-folded member being wound around the rewinding disc; whereby two independently retractable and extendable signal cables are accommodated in a single housing; a central partition 1 disposed within the two housing for dividing two sets of rewinding discs and signal cables into two individual units and for preventing them from interference by each other.

Claims 1 and 3-4 are rejected under 35 U.S.C. 102(e) as being anticipated by Wei (U.S. Patent Application Publication No. 2004/0200920).

With respect to Claims 1 and 3-4, Wei, Figures 1-8, teaches a signal cable rewinder with two rewinding discs 12,22 comprising: two housings 62,64 for establishing an accommodation chamber, a pivot being formed in the middle of the inner side of the two housings, respectively; two rewinding discs 12,22 rotatably mounted on the pivots of the housings; two spiral springs 422,442 fixed on the rewinding discs, both ends of each of the spiral springs being connected to the housing and the rewinding disc such that the two spiral springs have the resilience after being distorted; and two signal cables 50,51 each folded once in the middle thereof to form a double-folded member that engages into the respective rewinding disc, the double-folded member being wound around the rewinding disc; whereby two independently retractable and extendable signal cables are accommodated in a single housing; a central partition 64 disposed within the two housing for dividing two sets of rewinding discs and signal cables into two individual units and for preventing them from interference by each other.+

***Claim Rejections - 35 USC § 103***

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

Claim 2 is rejected under 35 U.S.C. 103(a) as being unpatentable over Liao or Wei as applied to claims 1 and 3-4 above, and further in view of Foley (U.S. Patent No. 5,762,281).

With respect to Claim 2, Liao and/or Wei are advanced above. Foley, Figures 1 and 2, teaches a plurality of indentations 30 formed at the rim of each of the rewinding discs; a through hole formed at the bottom of the housings, a release button 64 with a compression spring 75 being received within the through hole, the distal end of the release button protruding from the through hole; and an arched projection 72,73 formed on the outer wall of the release button. It would have been obvious to one of ordinary skill in the art to provide a release button, as taught by Foley, rather than controlling the winding and unwinding by a pull and release mechanism because such would protect the cable from being damaged.

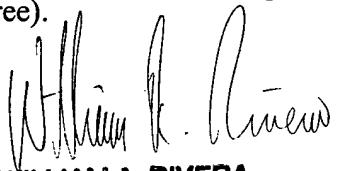
***Conclusion***

The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to William A. Rivera whose telephone number is 571-272-6953. The examiner can normally be reached on Monday to Friday - 7:30 to 4:00 PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Kathy Matecki can be reached on 571-272-6951. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).



**WILLIAM A. RIVERA**  
**PRIMARY EXAMINER**

September 29, 2005